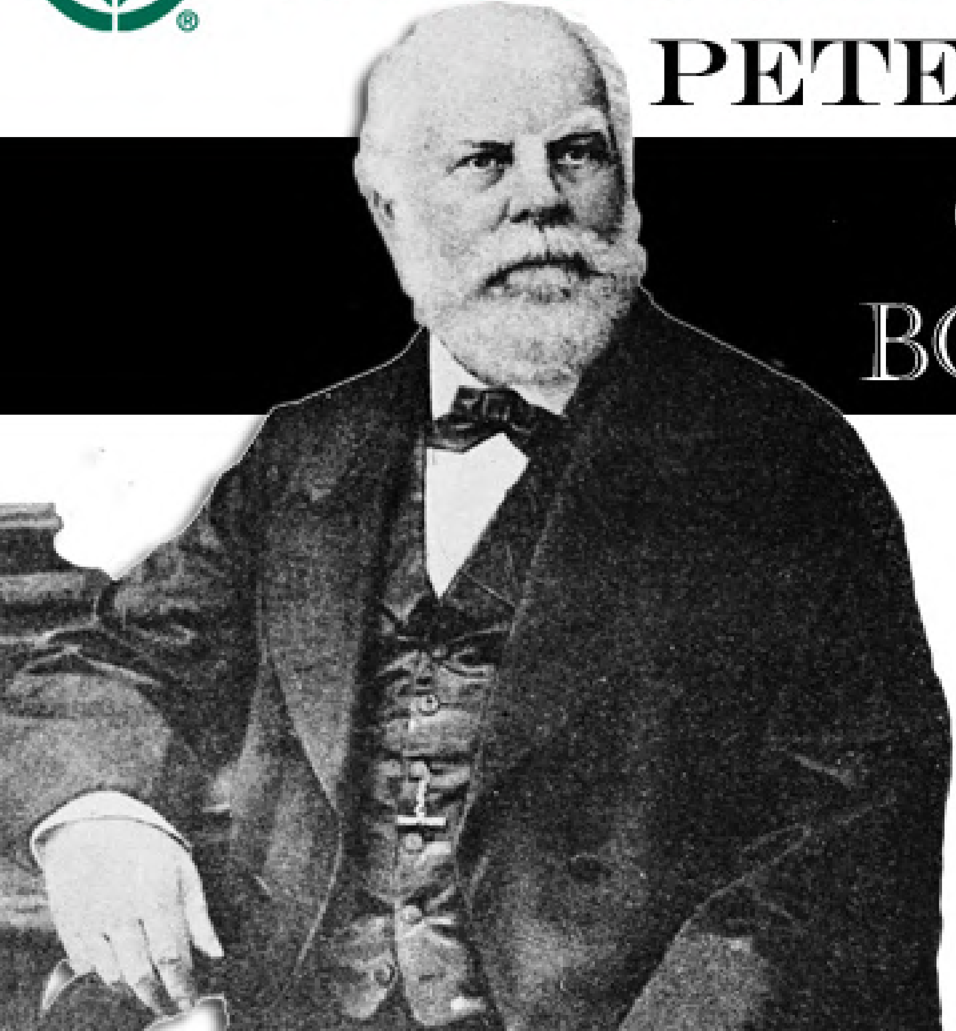
MISSOURI BOTANICAL GARDEN

PETER H. RAVEN LIBRARY



GEORGE ENGELMANN BOTANICAL NOTEBOOKS

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

No 18 sine nom. H. Neap. Jan 1 1868

O. leucotricha

Plant 7 feet high

larger joints 12 inches long, 7-8" wide,
areolae crowded, 3/4 - 1 inch apart,
nearly orbicular, bristles few and short, on
upper edge of areola;
spines in this specimen twisted and elongated
already in the 2d year; otherwise exactly
like No 9.

No 19 exactly like last, 6 feet high.

No 59 same –

70 – also same

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI
BOTANICAL
GARDEN

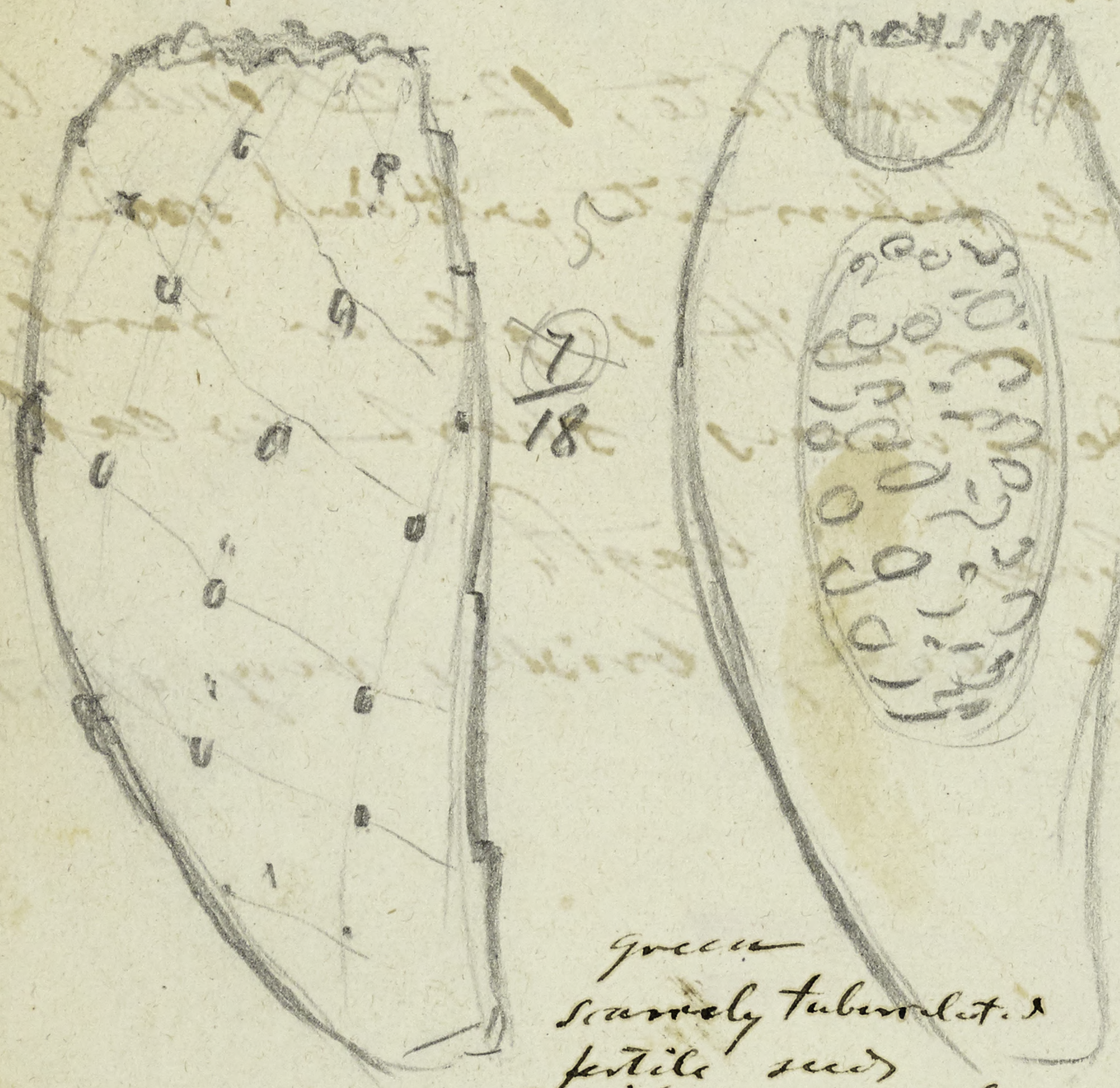
2867

3) 1. "Opuntia elongata" ~~seed N. 5~~ H. B. Neapol. (Scuola) Dec 14 1868.

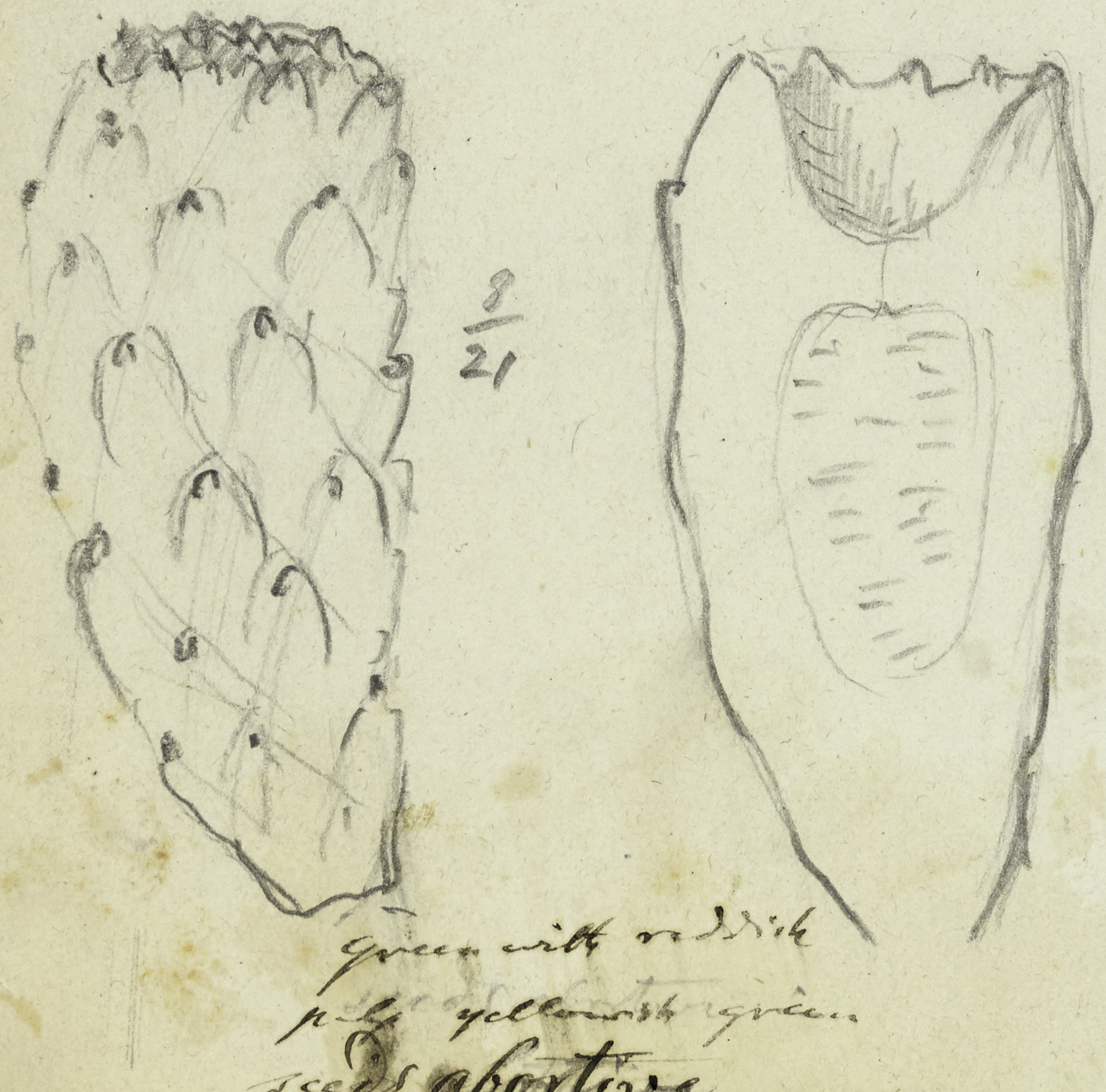
berry green (or in abortive fruits with red) pulp yellowish slightly tuberculate clavate with elongated base — with about 50 areolae (upper ones quite bristly) in 8/21 or once in 7/18 arrangement — umbilicus deeply hemispherically immersed or somewhat funnelshaped

seeds small, numerous

cavity of fruit oblong



green
scarcely tuberculate &
fertile seeds
in yellowish green pulp



green with reddish
pulp yellowish green
seeds abortive

Plant 6-7' high, trunk spineless, much branched from the base 8' diam

Joints narrowly oblanceolate, 12-20 inches long 3-6" wide, scarcely tuberculate, with dark spot around areolae.

Areolae naked or with single or rarely 2-3 at last deciduous short weak spines, 3-6 lines in length

areolae very small, oval, bristles very short; 1-1¼ inches apart

2868

43. Opuntia "~~vulgaris~~" Jan 5 1869

Ficus Indica

A very large jointed (entirely spineless) form 5 feet high, bushy,
Joints 16-18 by 8-9 inches, thin, elongate-obovate — young ones sometimes with a few short deciduous joints.

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved MISSOURI BOTANICAL GARDEN

2869

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI
BOTANICAL
GARDEN

HOS Recep Jan 6 1869

67 Opuntia vulgaris
var bifora

might be a form of Ficus Indica, but has
strange bristles

Plant 4' high, 3 wide, somewhat spreading
Joints 10-14" x 6-7"; green not glaucous
areolae small, oval bear often spinules
and sometimes long pencils of yellow bristles
3''' long — areolae 1¼-1½ inches apart.

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI
BOTANICAL
GARDEN

2870

57 Jan 5 1869

Opuntia sine nomine

small young plant, 1 foot high 3 ft spreading joints.

areolae 2 inches apart, oval to orbicular, with short penicillate bristles, which are elongated ~~but~~ on old joints, but remain penicillate;

Spines single, rarely 2, yellow, often none.

2871

copyright reserved
MISSOURI
BOTANICAL
GARDEN

24 Opuntia "vulgaris apyrena" H.B. Neapol.
Jan 1 1869

Large plant, 7 feet high; somewhat glaucous
Joints 13-18 inches long, 6-7 wide, very slightly tuberculed.

Areolae very small, oval, scarcely any bristles;

spines 1-2, small, 2-4 lines long weak, deciduous, white, or mostly none at all

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI BOTANICAL GARDEN

2872

21. Opuntia vulgaris [meaning Ficus Indica]
var media

HB Napol. Jan 1st 1868

Fruticous – erect – 4 feet high
joints obovate, 7–10 inches long, 5½–6½ wide
thin, not tuberculed.
Areolae small oval, 1–1¼ inches apart,
bristles almost none, or soon obliterated
spines on all areolae, but weak, short,
1–2 or 3, increasing in number on old trunk

Probably not belonging to Ficus Indica,
as the joints are much thinner.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

2873

6. *Op. "Amyclaea"* Hort bot Neapol (Sorcola)

Dec 25 1868

A tall stout specimen, 7' high, trunk at last almost naked ~~and~~ or more or less spiny~~less~~. at last naked.
Joints obovate, thickish, 12-16 inches long and 7-9 inches wide scarcely tuberculated

oval or almost rounded

Areolae slightly immersed 1/4 - 1 3/4 or 2 inches apart, all spiny — bristles very short

Spines white ivorylike, angular 1/2 - 1 inch long 3-5 in number; in older joints they increase to 5-7 or even 9 but are at length deciduous.

trunk not quite spineless
but sp. apparently not increasing in number

48 seems to be the same, a bushy plant 3 feet high and in diameter the same.

7 [illegible], without fruit, some 6 [illegible]
but spines on old joints & then increase
in number, latter naked,

erect, 6'

joints 10–13 × 5–6½ (half) narrow
obovate

slightly immersed
areolae about 1¼ distant — all spiny
sp. 2–3 ~~(older joints more~~ bright white
½–¾ or 1 inch)
increasing in size & number to 10–18 or 20
longer ones over 1 inch long — shorter ones all
flat or angular bent

2874

15. Opuntia without name, Hort Bot Neap Jan 1st 1869

~~near~~ O. amyclaea?

plant patulous, 4 feet high, somewhat glaucous joints 13–19 inches long, 5–6 wide, very slightly tubercled.

Areolae oval, with very short, deciduous bristles all bearing 2–3 white terete spines - - long, increasing with age to 5 and more

20, seems to be same plant, 7–8 feet high, joints 16–17 inches long 7–9 wide, rather thick. very slightly tubercled. – much broader than in No 15.

Areolae about 1/2 inches apart, oval, bristles very short or obliterated, soon deciduous spines large, 2–3–5 in number; larger ones flat, sometimes twisted, 1/2 inches long

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

2875

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

7. Op. "elatior" Hort bot Neapol Cuscola
Dec 25 1868

Erect, 6 feet high; spines in old joints increase in number ~~somewhat~~, ~~but at last are deciduous~~, so that old trunk becomes very spiny ~~spineless or naked~~; and this constitutes its principal difference from O. Amyclaea which is none! see notes to No 6

Joints narrowly obovate, half as wide as they are long (10-13 × 5-6½")

Areolae about 1¼ inch apart, slightly immersed, all bearing spines; rounded or somewhat oval; bristles very short.

Spines 2-3, white, shining, increasing in number to 10-18 or 20; ½-¾ or 1 inch long, older ones sometimes longer; stouter ones flat or angular.

why not = amyclaea?

areolae round or somewhat oval, br. short

63. Under same name appears to be same plant Bushy, 5 feet high, covered conspicuously with the white ivory like spines

Joints 10-14" by 5-7, elongated obovate - 1 inch thick not tuberculate.

Areolae 1 inch apart circular, bristles very short.

Spines on all areolae 2-3, spreading soon increasing in number to 5 and at last to 12-16, many of the stouter ones are flat and some twisted.

69 is a young plant of the same

6 Op. amyclaea probably correct
~~tall stout~~ 7° high at least natural
joints 12–16 × 7–9 thick 3/4 about
areolae slightly tumescent apart 1½
or 2" distant all spines 3–5 angular white spines 1"
in older joints 5–7 or 9 at least decurving

2876